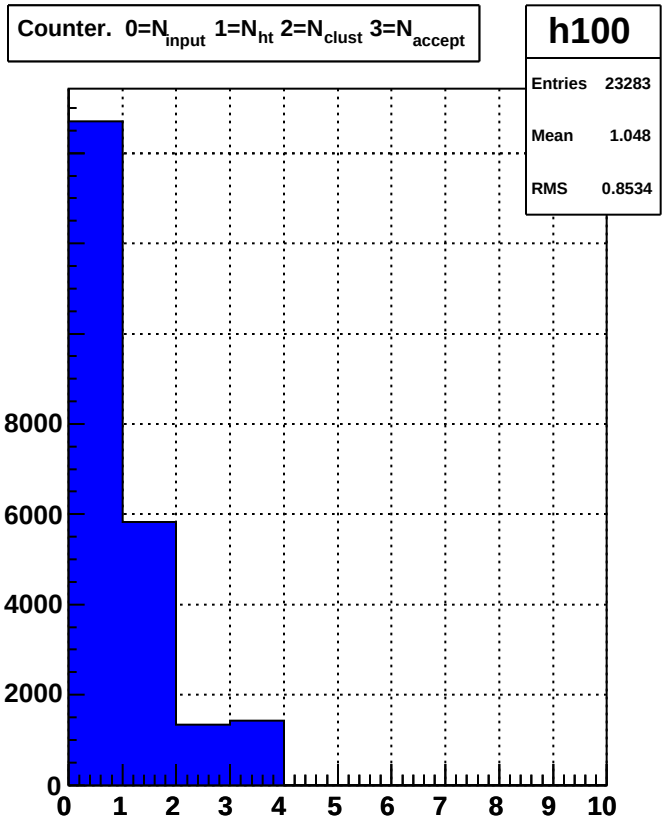
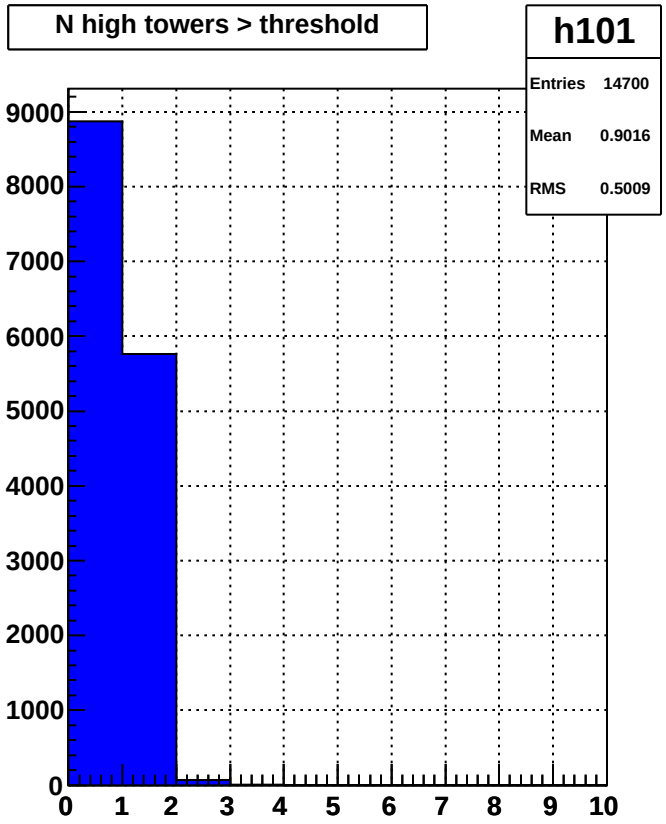
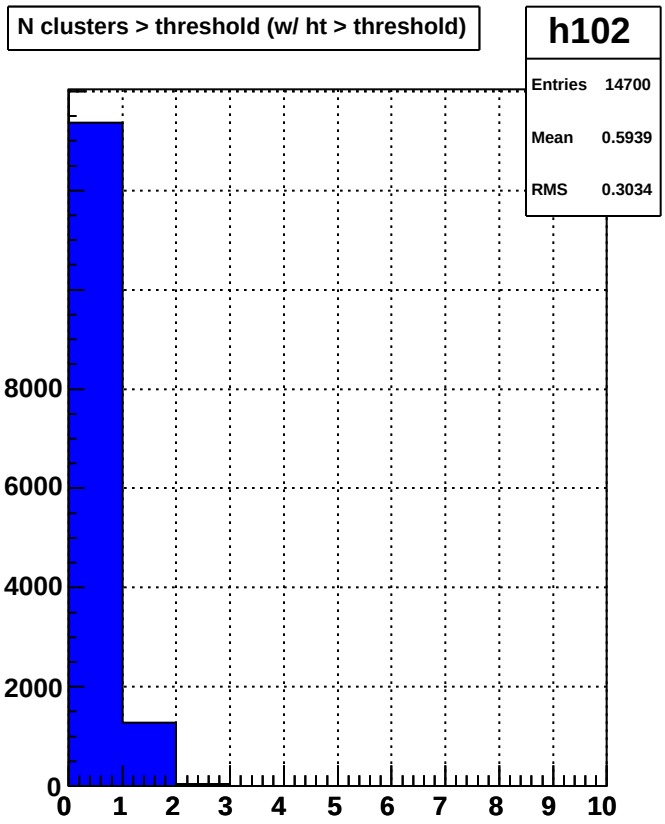
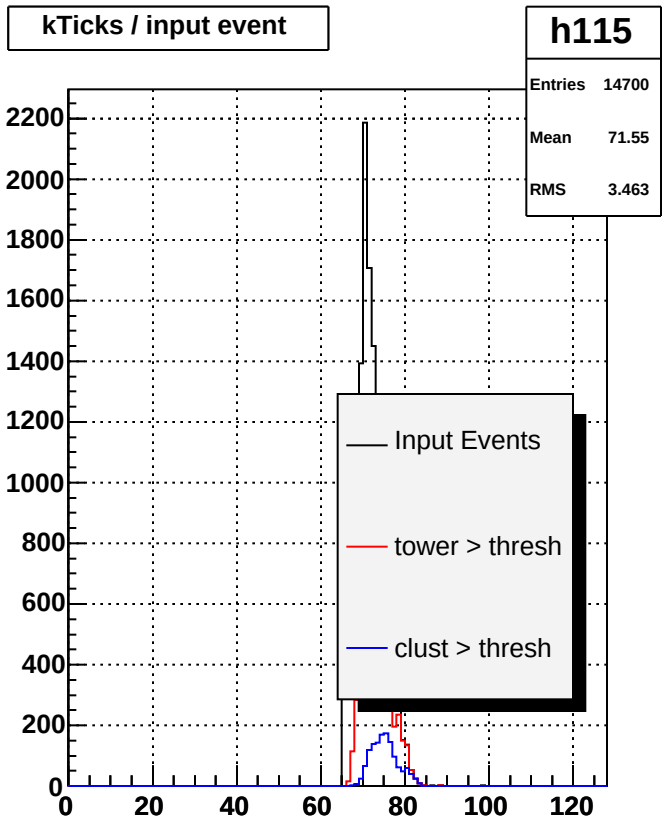
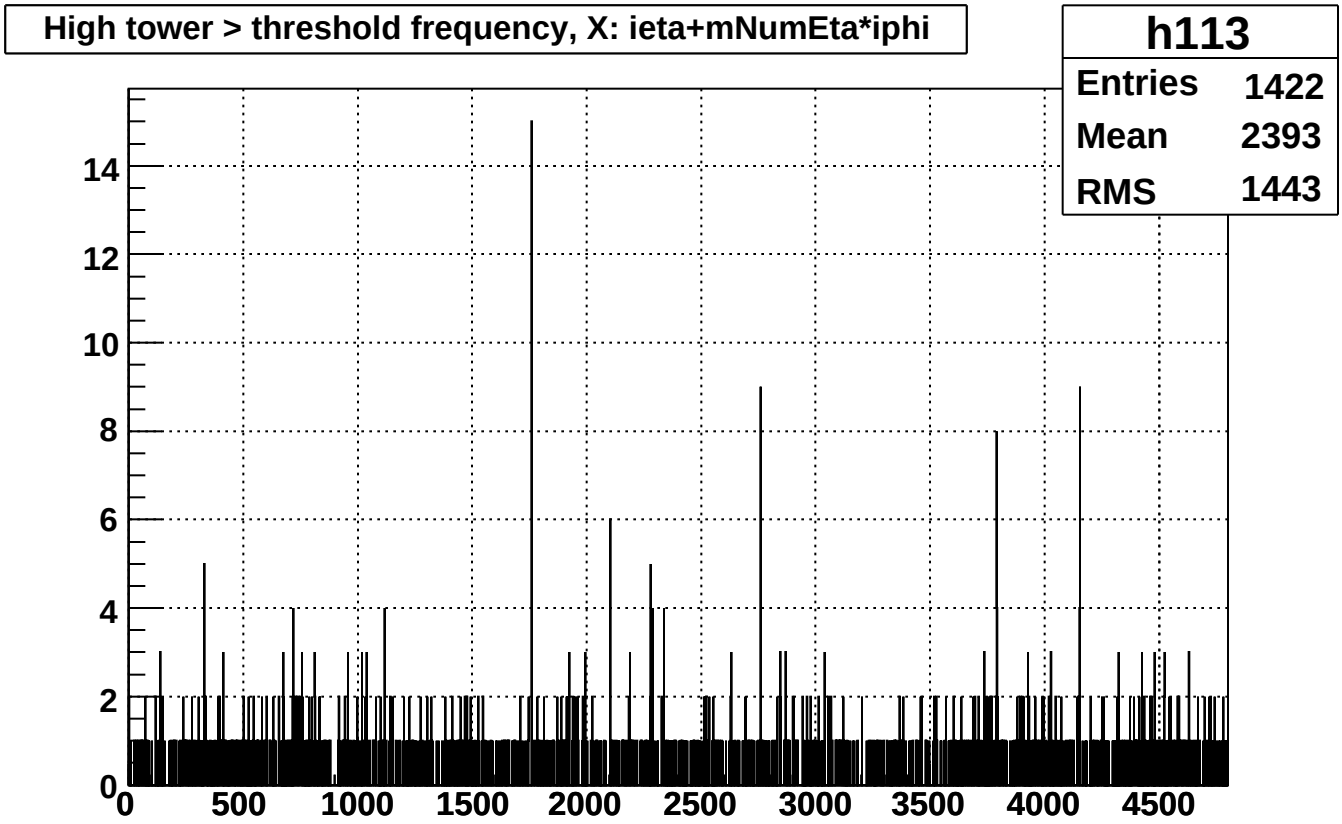
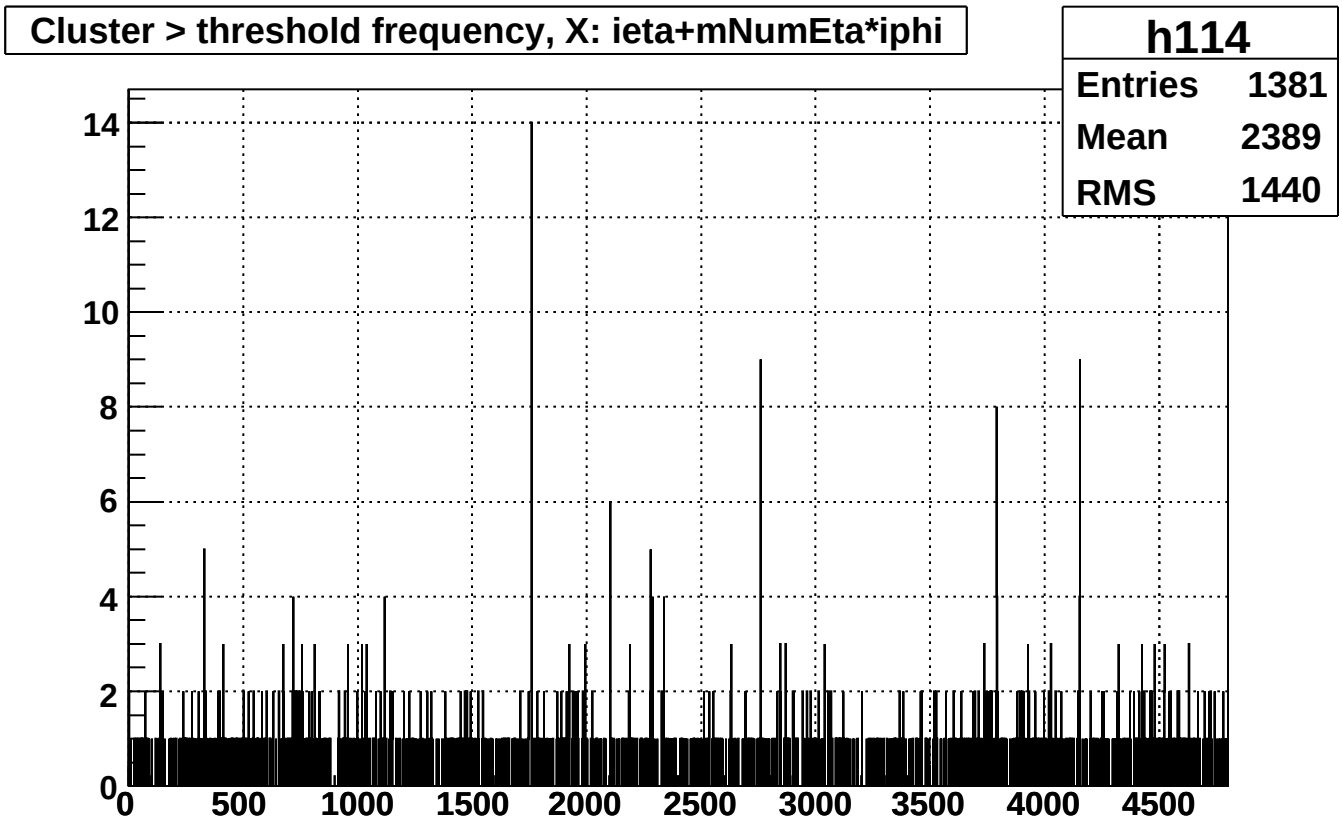

Counter. 0=N_input 1=N_ht 2=N_clust 3=N_accept
h100
Entries 23283
Mean 1.048
RMS 0.8534
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

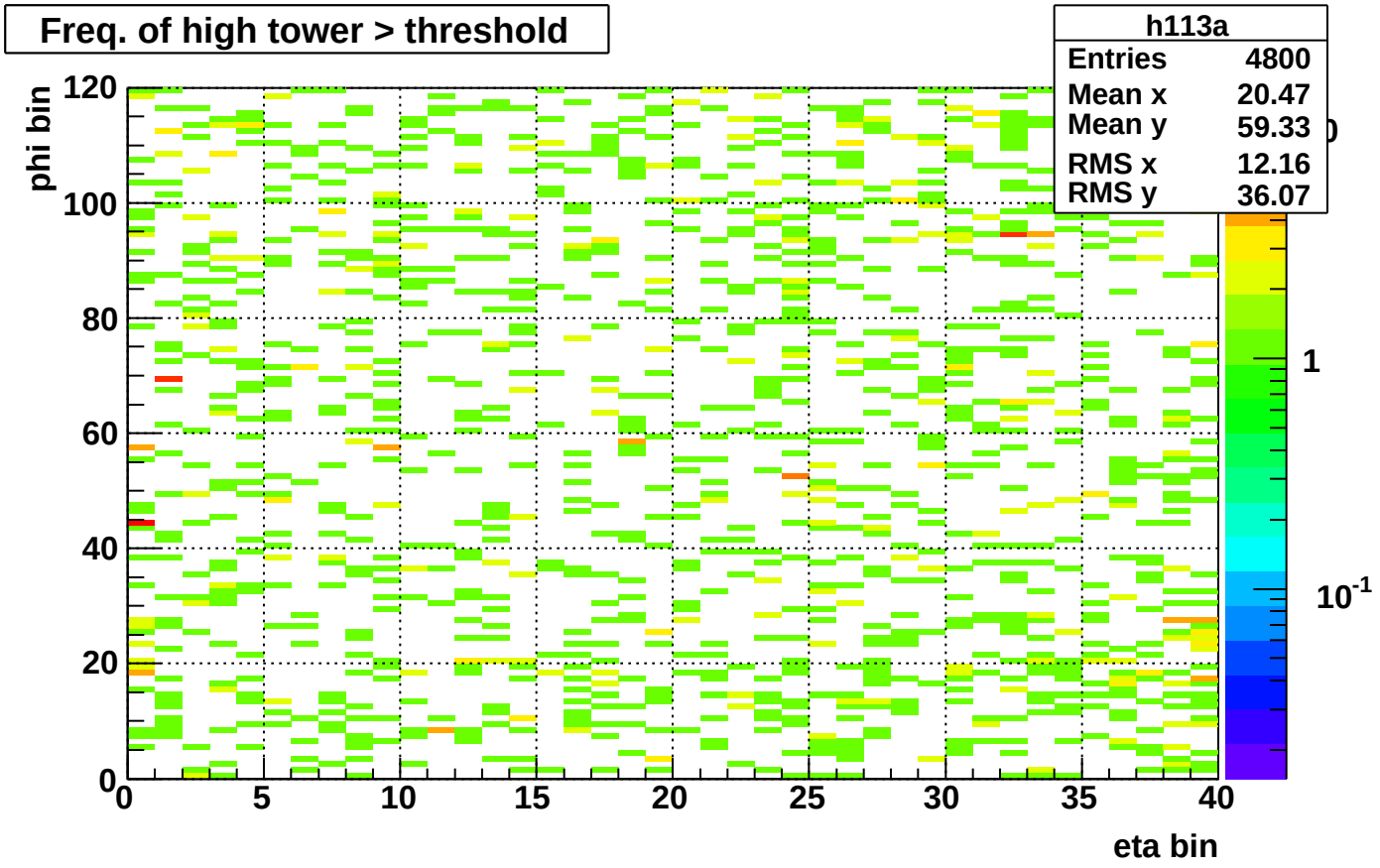

N high towers > threshold
h101
Entries 14700
Mean 0.9016
RMS 0.5009
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
0 1 2 3 4 5 6 7 8 9 10

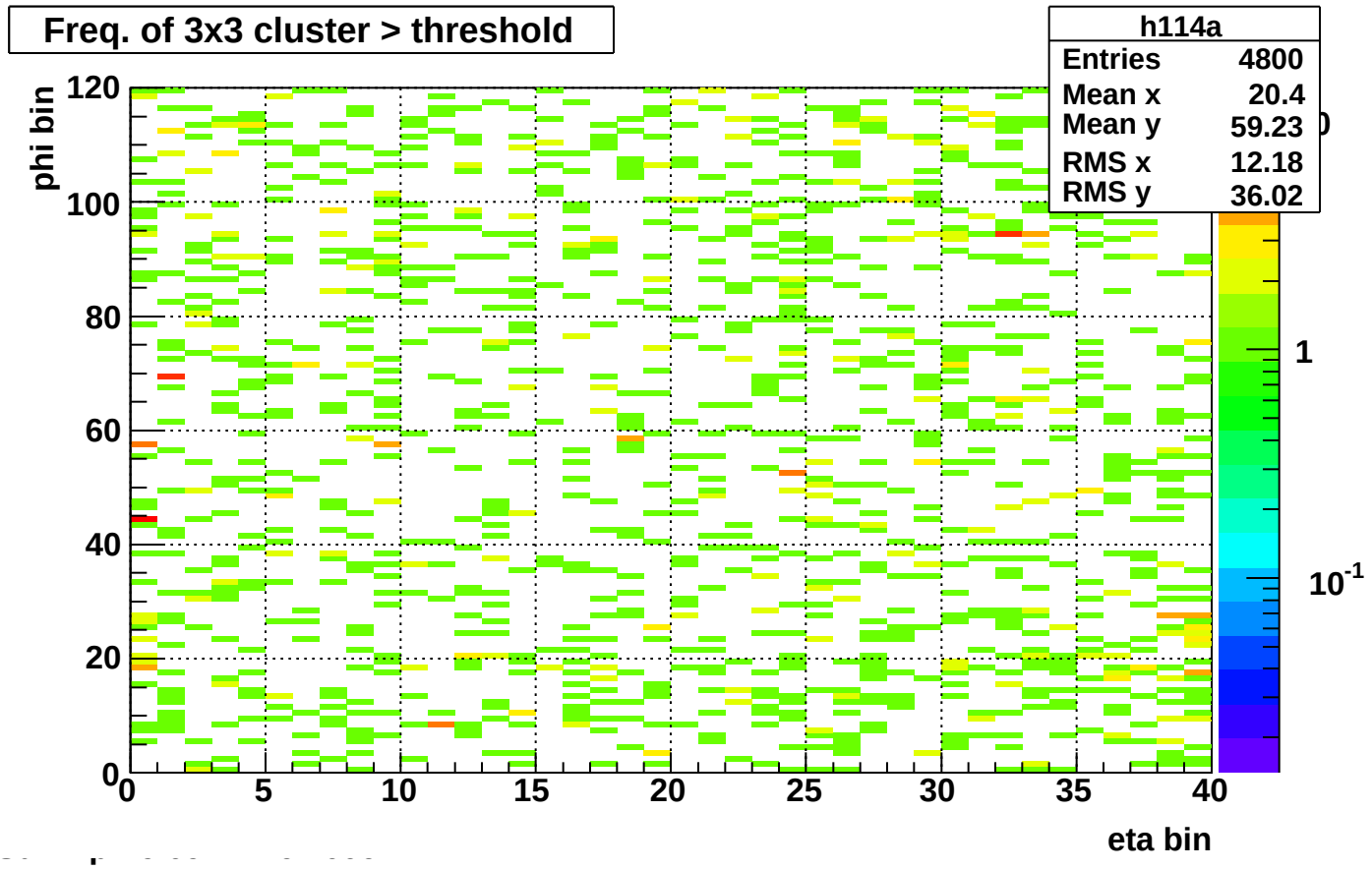

N clusters > threshold (w/ ht > threshold)
h102
Entries 14700
Mean 0.5939
RMS 0.3034
0
2000
4000
6000
8000
0 1 2 3 4 5 6 7 8 9 10

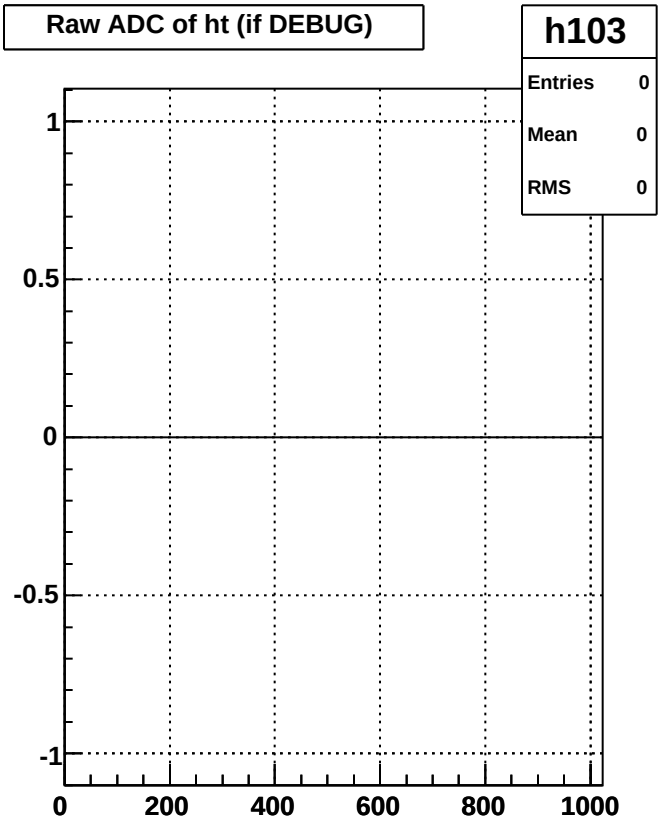

kTicks / input event
h115
Entries 14700
Mean 71.55
RMS 3.463
Input Events
tower > thresh
clust > thresh
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
0 20 40 60 80 100 120

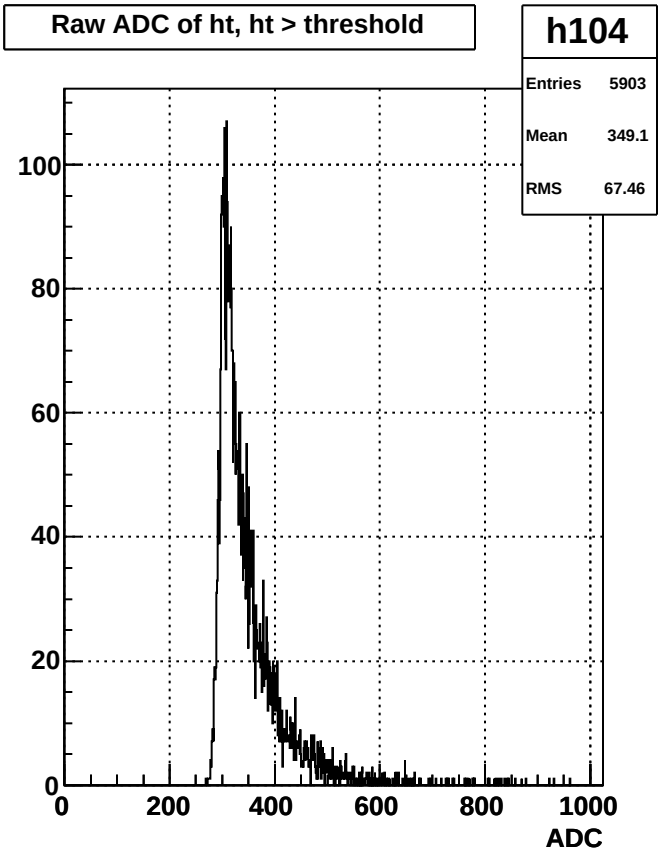

High tower > threshold frequency, X: ieta+mNumEta*iphi
h113
Entries 1422
Mean 2393
RMS 1443
0
2
4
6
8
10
12
14
0
500
1000
1500
2000
2500
3000
3500
4000
4500

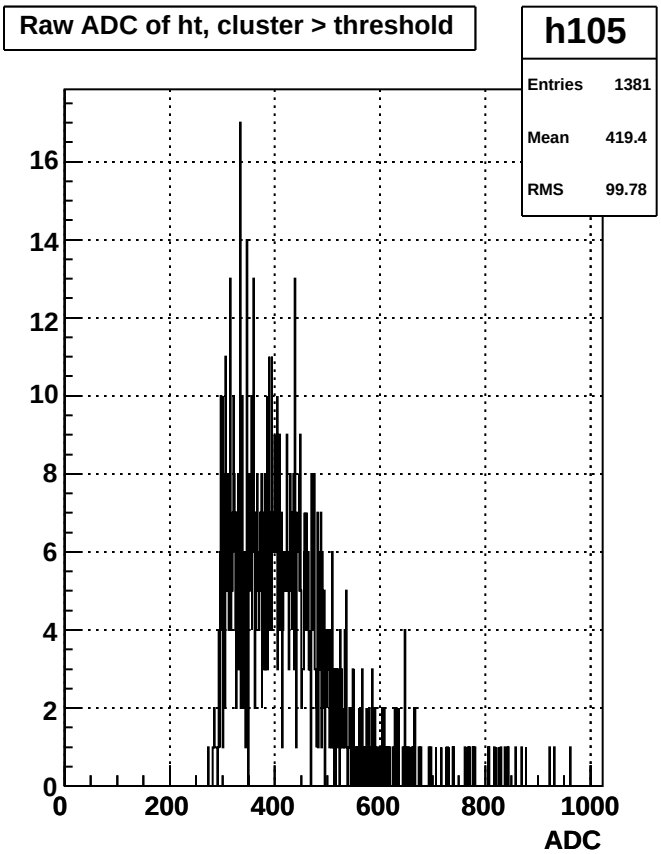

Cluster > threshold frequency, X: ieta+mNumEta*iphi
h114
Entries 1381
Mean 2389
RMS 1440
0
2
4
6
8
10
12
14
0
500
1000
1500
2000
2500
3000
3500
4000
4500

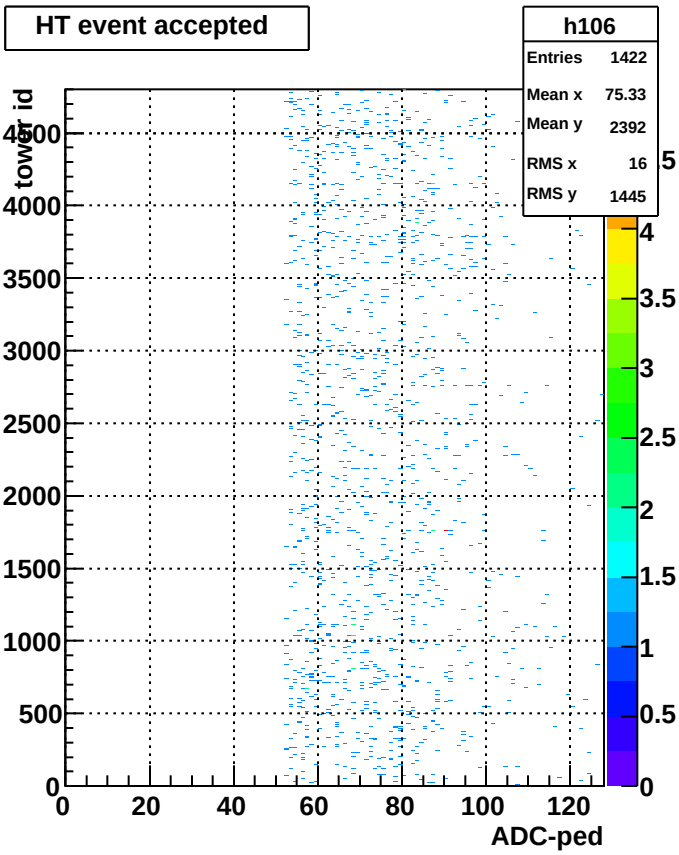

Freq. of high tower > threshold
h113a
Entries 4800
Mean x 20.47
Mean y 59.33
RMS x 12.16
RMS y 36.07
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10^{-1}

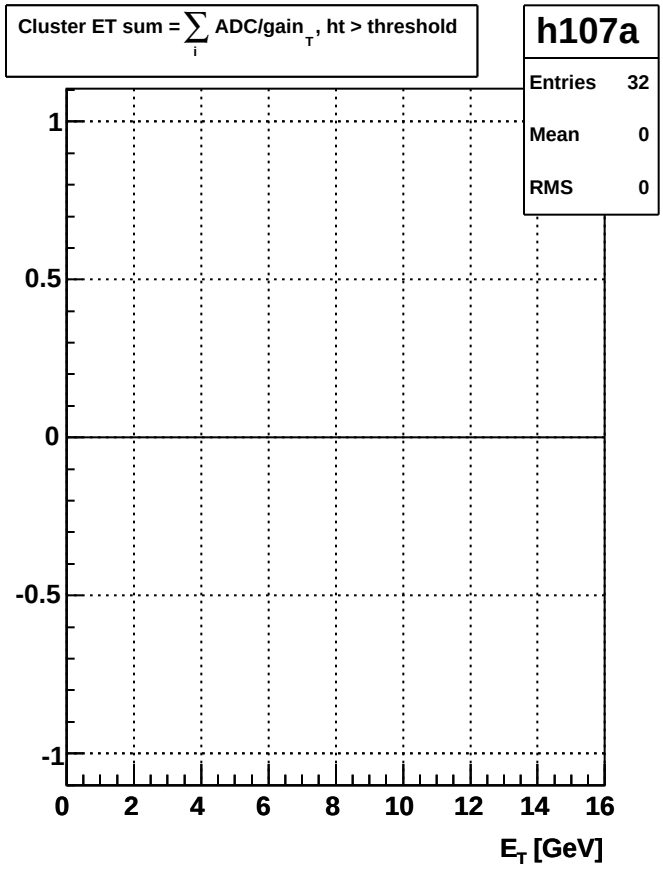

Freq. of 3x3 cluster > threshold
h114a
Entries 4800
Mean x 20.4
Mean y 59.23
RMS x 12.18
RMS y 36.02
phi bin
eta bin
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
1
10^{-1}

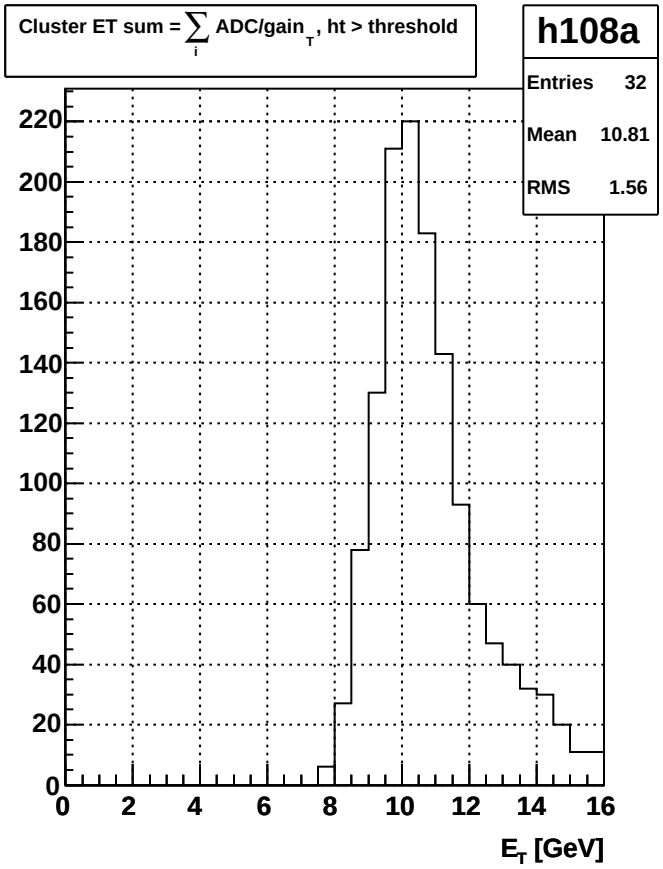

Raw ADC of ht (if DEBUG)
h103
Entries 0
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0
200
400
600
800
1000

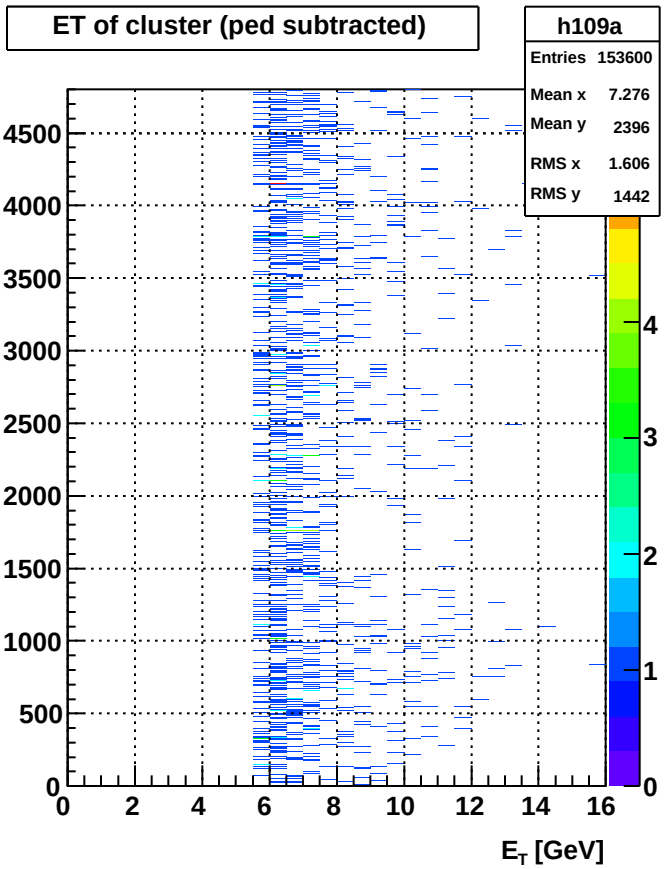

Raw ADC of ht, ht > threshold
h104
Entries 5903
Mean 349.1
RMS 67.46
100
80
60
40
20
0
0
200
400
600
800
1000
ADC


Raw ADC of ht, cluster > threshold
h105
Entries 1381
Mean 419.4
RMS 99.78
16
14
12
10
8
6
4
2
0
0
200
400
600
800
1000
ADC


HT event accepted
h106
Entries 1422
Mean x 75.33
Mean y 2392
RMS x 16
RMS y 1445
tower id
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120
ADC-ped
5
4
3.5
3
2.5
2
1.5
1
0.5
0


Cluster ET sum = $\sum_i$ ADC/gain$_T$, ht > threshold
h107a
Entries 32
Mean 0
RMS 0
1
0.5
0
-0.5
-1
0 2 4 6 8 10 12 14 16
E_T [GeV]


Cluster ET sum = $\sum_i$ ADC/gain$_T$, ht > threshold
h108a
Entries 32
Mean 10.81
RMS 1.56
220
200
180
160
140
120
100
80
60
40
20
0
0 2 4 6 8 10 12 14 16
E_T [GeV]


ET of cluster (ped subtracted)
h109a
Entries 153600
Mean x 7.276
Mean y 2396
RMS x 1.606
RMS y 1442
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0 2 4 6 8 10 12 14 16
E_T [GeV]
4
3
2
1
0